DATA NAME: CRS

COVERAGE AREA: Statewide

LOCATION: /gisraster/crs

DATA DESCRIPTION:

The Department of Transportation produces and distributes County Road Series (CRS) maps in cooperation with the Federal Highway Administration and the California counties for the purposes of displaying urban/rural boundaries and functional classifications of roads, identifying county maintained roads, and other uses. The maps have a long history at Caltrans and are widely distributed. CRS data are geo-reference tiff images of the CRS maps.

The latest version of CRS maps was developed by Thomas Brothers Maps, and delivered to Caltrans is postscript format. These files are being converted into geo-referenced tiff files, which are placed in the Caltrans geographic data library. This is an on-going process, and as of June 2001 the 01-04 CRS images have been posted in the /gisraster/crs directory. Each image is stored in both full map (includes border, text and legend area) and trimmed versions. The trimmed versions are clipped to the map neatline.

The CRSINDEX coverage is the guide to the geographical locations of the CRS map images. Map images are named according to grid location; the grid being numbered 01–21 west to east, and lettered A–Y north to south. These grid locations are designated as GROUP maps. Each GROUP is further subdivided into 25 CELLS, numbered 1–5 west to east, and 1-5 north to south.   GROUP areas measure 30 minutes of longitude by 25 minutes of latitude, and CELL areas measure 6 minutes of longitude by 5 minutes of latitude. There are 240 GROUP areas covering the entire state. There are 1475 CELL areas, covering about 25% of the state where population and road densities warrant maps of greater detail.

RESTRICTIONS:

1 - Distribution of the files in any electronic format (.ps .tif .pdf .jpg etc.) outside of Caltrans is forbidden.

2 - Electronic files may be freely distributed within Caltrans.

3 - Hardcopy (paper) may be distributed outside of Caltrans on a limited basis to Caltrans partners.

4 - Hardcopy maps may not be sold or distributed on a large scale to the public at large as this would be in direct competition with Thomas Bros sales.

 VITAL STATISTICS:

 Datum: NAD 83

Projection: Albers
Units: Meters
1st Std. Parallel: 34 00 00 (34.0 degrees N)
2nd Std. Parallel: 40 30 00 (40.5 degrees N)
Longitude of Origin: -120 00 00 (120.0 degrees W)
Latitude of Origin: 00 00 00 (0.0 degrees)
False Easting (X shift):   0
False Northing (Y shift): -4,000,000
Source: Thomas Bros Maps
Source Format: Postscript
Source Projection: N/A
Source Units: N/A
Source Scale: N/A
Conversion Method: Export to compressed tiff
Conversion Software: Corel Draw 9
Registration Software   ArcInfo 7.2.1
Data Structure: Pack-bit compressed tiff
Number of Images: 1,715
Layer Size: 2 GB when complete
Data Updated: June 2001
Contact: Roger Ewers (916) 657-1601

DATA DICTIONARY:

   File Name: CRSINDEX.PAT
   Recode Length: 101

 NOTE: Items common to all polygon coverages: AREA, PERIMETER, <coverage>#, and <coverage>-ID are not described here.

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
17	GROUP	3	3	C	-
20	CELL	5	5	C	-

GROUP: Map name as shown on 30 minute by 25 minute map.

CELL: Map name as shown on 6 minute by 5 minute map.

DATA QUALITY ASSESSMENT:

The crsindex coverage is accurate, and useful in determining the locations of CRS map files.

June 22, 2001